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FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEY

U. S. DEPT. OF AGRICULTURE
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AUG 4 - 1966

WATER SNOW RECORD

WATER SUPPLY OUTLOOK and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS for UTAH

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

AS OF
JUNE 1, 1966

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES _____	MONTHLY (FEB.-MAY) _____	PORTLAND, OREGON _____	ALL COOPERATORS
BASIC DATA SUMMARY _____	OCTOBER 1 _____	PORTLAND, OREGON _____	ALL COOPERATORS
STATES			
ALASKA _____	MONTHLY (MAR.-MAY) _____	PALMER, ALASKA _____	ALASKA S.C.D.
ARIZONA _____	SEMI-MONTHLY _____ (JAN. 15 - APR. 1)	PHOENIX, ARIZONA _____	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO _____	MONTHLY (FEB.-MAY) _____	FORT COLLINS, COLORADO _____	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO _____	MONTHLY (JAN.-JUNE) _____	BOISE, IDAHO _____	IDAHO STATE RECLAMATION ENGINEER
MONTANA _____	MONTHLY (JAN.-JUNE) _____	BOZEMAN, MONTANA _____	MONT. AGR. EXP. STATION
NEVADA _____	MONTHLY (JAN.-MAY) _____	RENO, NEVADA _____	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON _____	MONTHLY (JAN.-JUNE) _____	PORTLAND, OREGON _____	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH _____	MONTHLY (JAN.-JUNE) _____	SALT LAKE CITY, UTAH _____	UTAH STATE ENGINEER
WASHINGTON _____	MONTHLY (FEB.-JUNE) _____	SPOKANE, WASHINGTON _____	WN. STATE DEPT. OF CONSERVATION
WYOMING _____	MONTHLY (FEB.-JUNE) _____	CASPER, WYOMING _____	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA _____	MONTHLY (FEB.-JUNE) _____	WATER RESOURCES SERVICE, DEPT. OF LANDS, FOREST AND WATER RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA _____	MONTHLY (FEB.-MAY) _____	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.

WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

JUNE 1, 1966

Report prepared by
GREGORY L. PEARSON - PAUL KEIL
and
Patricia Paramore

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
SALT LAKE CITY UTAH 84111

Issued by

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STATE OF UTAH
SALT LAKE CITY, UTAH

J.A. LIBBY
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

WATER SUPPLY OUTLOOK

as of

JUNE 7, 1966

and

Special Measurements
During 1965-66 Season

Precipitation in Utah's mountains during the month of May generally ranged between about 25% to 80% of average. The principal exceptions to this trend occurred on part of the Ogden and Little Bear rivers, and along a relatively narrow band extending from the American Fork river southeastward to Strawberry reservoir and then north and east across the Duchesne, Lakefork and Uinta rivers. Along this narrow band precipitation varied from about 105% to 214% of average.

On the North Fork Ogden river, precipitation was 180% of average at the Ben Lomond Trail raingage. Just north of here at the Little Bear(upper) raingage precipitation was 145%, while at Sagebrush Flat on Beaver Creek(tributary to the South Fork Ogden) it was 122%. North and east of here precipitation fell off rapidly to only 62% at Dry Bread Pond and 44% at Monte Cristo.

May precipitation is generally not as effective in producing runoff as that which occurs earlier in the season since evaporation and transpiration losses are higher than in the earlier months. The effect in changing streamflow forecasts is consequently less. Except in areas where above normal precipitation occurred, streams are now expected to yield from about 1% to 8% less than forecast a month ago. In areas of above normal precipitation, stream forecasts are up from 1% to 3% since May 1st.

The mountain snowpack is practically gone, with only four snow courses showing any snow on them when readings were made the last of May. A year ago now the opposite extreme was reached, with 46 courses reporting snow cover.

Water users who are dependent on natural streamflow can expect late summer water supplies to be about 25% below average from streams in the Cedar City, St. George and Panguitch area, and in San Juan and Grand counties. In the eastern Uintah Basin streams will be within about 15% of average. For most of the remainder of the state, late summer streamflow will be closer to 25% to 60% of average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^a

SUPPLEMENTAL MEASUREMENTS FOR UTAH

2 years
agoJUNE 1, 1966

Big Flat	12L7	10290	6/2	0	0.0	23.7	11.5
Buck Flat	11K31	9400	5/27	0	0.0	15.9	1.8
Cedar Breaks	12M1	10390	6/1	0	0.0	24.2	4.0
Chalk Creek #1	11J1	9100	5/27	0	0.0	26.3	7.3
Farnsworth Lake	11L1	9900	5/27	0	0.0	25.9	11.6
G.B.R.C. Meadows	11K10	10000	5/31	0	0.0	33.5	16.9
Gooseberry Reservoir	11K4	8700	5/26	0	0.0	8.8	1.3
Mammoth R.S.-Ctnwd. Crk.	11K3	8800	5/26	0	0.0	9.1	2.6
Midway Valley	12M2	9800	6/1	0	0.0	23.1	3.6
Monte Cristo R.S.	11H12	8960	5/31	0	0.0	18.9	7.9
Mt. Baldy R.S.	11K12	9500	5/27	0	0.0	30.3	13.6
Otter Lake	12L8	9300	6/2	0	0.0	15.6	3.1
Paradise Park	9J3	10100	5/25	2	0.6	11.0	0.7
Spirit Lake	9J7	10300	5/27	0	0.0	16.9	4.9
Steel Creek Park	10J20	9900	5/25	4	1.6	- -	- -
Steep Hollow #1	11H27	8500	5/26	3	1.6	41.0	25.0
Steep Hollow #2	11H28	7700	5/26	0	0.0	16.7	3.3
Trial Lake	10J8	9800	5/26	14	6.6	40.9	19.5

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

2 yrs. ago

SUPPLEMENTAL MEASUREMENTS FOR UTAHDECEMBER 1, 1965

Beaver Crk-Skunk Crk.	11H14	7150	11/29	10	2.4	4.0	1.0
Ben Lomond(lower)	11H9	5850	11/29	5	0.6	4.4	2.5
Ben Lomond Trail	11H30	6000	11/29	6	0.7	5.0	- -
Big Flat	12L7	10290	11/30	22	5.8	3.8	- -
Buck Flat	11K31	9400	12/1	16	4.0	6.8	1.2
Castle Valley	12M13	9700	12/1	21	5.2	- -	- -
Dry Bread Pond	11H13	8230	11/29	25	6.0	4.5	1.8
Dry Valley Divide	11K8	7800	12/2	8	1.5	3.6	- -
Duck Creek R.S.	12M4	8560	11/30	21	7.4	- -	- -
Garden City Summit	11H7	7600	11/30	26	5.8	2.3	3.2
Horse Ridge	11H21	8260	11/26	22	3.6	6.1	1.7
Jones Meadow	11K7	7600	12/2	4	1.0	3.2	- -
Kilfore Creek	11H31	7300	11/26	10	1.8	3.7	1.1
Klondike Narrows	11H1	7400	11/30	25	6.0	- -	- -
Merchant Valley	12L9	8200	11/30	10	2.4	1.9	- -
Monte Cristo R.S.	11H12	8960	11/29	35	8.0	7.7	- -
Mud Creek	11K33	8300	12/2	14	3.1	4.9	- -
Otter Lake	12L8	9300	11/30	20	4.9	- -	- -
Parley's Canyon	11J15	7500	12/2	11	2.8	- -	- -
Pine Creek	12L1	8700	11/29	15	2.5	4.6	2.0
Red Pine Ridge	11K28	9400	11/30	22	4.8	6.4	1.0
Rush Pond	11K38	9800	12/1	16	3.4	5.4	- -
Sagebrush Flat	11H15	6300	11/29	2	0.3	- -	0.2
Shingle Mill	12L11	6200	11/29	5	0.5	3.5	1.5
Stuart R.S.	11K27	7950	11/29	11	1.9	4.2	0.0
Timpanogos Divide	11J21	8140	11/29	26	7.6	8.1	- -
Tony Grove R.S.	11H3	6250	11/30	12	2.4	1.1	- -
Upper Joe's Valley	11K29	8800	11/30	13	2.6	4.1	- -
White River #1	10K2	8600	12/2	13	2.7	4.4	- -
White River #2	11K24	7600	12/2	7	1.5	3.2	- -
White River #3	11K25	7400	12/2	4	0.5	3.2	- -
Widtsoe-Escalante Smt.	11M1	9500	11/30	11	2.1	- -	- -
Widtsoe-Escalante #3	11M3	9500	11/30	16	3.3	- -	- -
Wrigley Creek	11K32	9000	12/1	15	3.4	4.1	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Burts-Miller Ranch	7900	5/26	1.48	- -	10.61	- -	--
Chalk Creek #2*	8000	5/27	1.69	2.35	17.41	21.30	82
Chalk Creek #3*	7500	5/27	0.98	- -	13.93	- -	--
Hayden Fork	9300	5/26	2.54	- -	20.27	- -	--
Monte Cristo #2	8960	5/31	1.35	3.10	27.52	36.25	76
Salt River Summit	7900	6/2	1.40	2.30	14.20	22.80	62
Stillwater Camp	8550	5/26	1.67	1.80	13.14	16.45	80
Trial Lake*	9800	5/26	2.97	2.70	24.68	29.90	83

LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	5/31	1.75	2.80	23.84	27.85	86
Garden City Summit	7600	5/26	1.53	2.65	19.00	24.25	78
Klondike Narrows	7400	5/26	1.91	3.30	24.13	30.00	80
Little Bear(upper)	6850	5/27	3.76	2.60	24.06	24.70	97
Monte Cristo #2	8960	5/31	1.35	3.10	27.52	36.25	76
Tony Grove R.S. (SCS)	6250	5/26	1.94	- -	18.90	- -	--
Willow Flat	6100	5/31	3.34	3.10	23.99	30.80	78

OGDEN RIVER

Ben Lomond (lower)	5850	5/27	5.65	3.25	31.77	32.50	98
Ben Lomond Trail	6000	5/27	6.11	3.40	33.57	34.10	98
Causey Dam	5500	5/31	2.20	- -	15.47	- -	--
Dry Bread Pond	8230	5/31	1.75	2.80	23.84	27.85	86
Horse Ridge	8260	5/31	1.87	- -	22.36	- -	--
Monte Cristo #2*	8960	5/31	1.35	3.10	27.52	36.25	76
Sagebrush Flat	6300	5/31	2.25	1.85	16.39	18.70	88

WEBER RIVER

Chalk Creek #1	9100	5/27	2.28	- -	23.82	- -	--
Chalk Creek #2	8000	5/27	1.69	2.35	17.41	21.30	82
Chalk Creek #3	7500	5/27	0.98	- -	13.93	- -	--
Farmington Guard Sta.(1)	7500	6/1	4.16	3.95	30.42	38.35	79
Farmington Rice (1)	7000	6/1	3.70	3.75a	27.09	35.68a	76
Horse Ridge	8260	5/31	1.87	- -	22.36	- -	--
Lost Creek Reservoir	6125	6/1	1.05	- -	11.92	- -	--
Mt. Dell Dam (2)*	5500	5/31	1.75	2.22a	15.34	17.86a	86
Parley's Canyon Smt.	7500	6/2	1.08	2.70	19.67	27.00	73
Redden Mine (upper)	9000	5/26	1.68	- -	25.25	- -	--
Silver Lake (Brighton)(2)*	8725	5/31	2.13	3.01a	26.94	36.00a	75
Smith & Morehouse	7600	5/27	1.76	2.55	19.42	23.75	82
Trial Lake*	9800	5/26	2.97	2.70	24.68	29.90	83

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. 10/1 TO DATE		
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PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	5/27	1.37	2.10	14.57	21.10	69
Daniels-Strawberry Smt.	8000	6/3	2.50	2.20	18.58	23.40	79
Dutchman R.S.	7500	5/27	3.17	2.36	22.02	31.81	69
East Portal Ridge	7800	6/1	3.00	- -	18.85	- -	--
Hobble Creek Smt.	7300	5/27	3.07	2.35	17.12	22.55	76
Payson R.S.	8050	5/27	1.88	2.35	20.27	23.25	87
Soapstone R.S.	7800	5/26	2.17	2.30	16.39	21.00	78
Strawberry Res.-E.Portal	7606	6/1	2.65	1.48a	12.52	13.44a	93
Timpanogos Divide	8200	5/30	3.30	2.36a	28.73	31.81a	90
Trial Lake	9800	5/26	2.97	2.70	24.68	29.90	83

JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	5/27	1.45	2.40	18.29	22.70	81
Mt. Dell Dam(2)	5500	5/31	1.75	2.22a	15.34	17.86a	86
Parley's Canyon Smt.	7500	6/2	1.08	2.70	19.67	27.00	73
Silver Lake(Brighton)(2)	8725	5/31	2.13	3.01a	26.94	36.00a	75

SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	6/2	1.80	2.45	17.06	24.30	70
Box Creek	9800	5/27	1.56	1.85	13.34	17.25	77
Castle Valley	9700	5/31	1.10	2.35	18.52	21.55	86
Cedar Breaks	10390	6/1	1.10	3.10	23.19	28.25	82
Duck Creek R.S.	8560	5/31	1.15	2.60	23.23	25.00	93
Fish Lake	8700	5/27	0.84	1.47	8.94	10.43	86
Kimberly Mine	8900	5/31	1.50	2.40	18.97	23.80	80
Panguitch Lake	8200	5/31	0.38	1.05	9.39	9.70	97
Webster Flat*	9200	6/1	0.73	3.00	25.33	27.00	94
Widtsoe-Escalante #3	9500	5/27	1.22	1.80	14.37	16.40	88
Widtsoe R.S.	7600	5/27	0.59	0.75a	4.99	6.73a	74

SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	5/27	1.60	2.10	13.20	19.80	67
Farnsworth Lake	9900	5/27	1.42	2.45	16.43	24.25	68
G.B.R.C. Headquarters(1)	8700	5/31	1.72	2.52a	15.96	24.97a	64
G.B.R.C. Meadows (1)	10000	5/31	2.21	2.77a	20.70	27.59a	75
G.B.R.C. Oaks(1)	7655	5/31	1.00	1.85a	9.57	17.37a	55
Gooseberry R.S.(1)	7800	5/28	1.00	1.90	11.62	17.00	68
Gooseberry Reservoir*	8700	5/26	2.28	2.35	18.59	24.00	77
Mammoth R.S. #2*	8600	5/26	2.03	2.35	18.61	23.80	78
Mt. Baldy R.S.	9500	5/27	2.08	- -	16.80	- -	--
Pickle Keg Springs	9600	5/25	1.31	- -	13.55	- -	--
Pine Creek	8700	6/3	2.05	3.00	24.05	30.40	80
Salina Creek(lower)	7250	5/25	1.28	- -	7.82	- -	--
Shingle Mill	6200	5/31	1.30	2.15	15.62	19.65	79
White Gate	9350	5/25	0.84	- -	9.44	- -	--

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

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BEAVER RIVER

Beaver Canyon P.H. (2)	7275	5/31	1.43	1.39a	10.01	13.58a	74
Big Flat	10290	6/2	1.80	2.45	17.06	24.30	70
Merchant's Valley	8650	6/2	1.64	- -	14.11	- -	--

PAROWAN CREEK

Yankee Reservoir	8700	6/1	0.71	1.70	13.68	15.30	89
Tall Poles	8800	6/1	0.73		15.85		--

COAL CREEK

Cedar Breaks	10390	6/1	1.10	3.10	23.19	28.25	82
Webster Flat*	9200	6/1	0.73	3.00	25.33	27.00	94

ENTERPRISE TO NEW HARMONY DRAINAGE

Little Grassy Creek	6100	6/1	0.12	1.35	17.46	15.25	114
Long Flat	8000	6/3	0.46	1.65	15.13	17.95	84

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH

(Tributaries above Flaming Gorge)

Hickerson Park	9100	5/27	- -	- -	8.66	- -	--
Black's Fork Jct.	8925	5/25	1.08	- -	10.96	- -	--
Burnt Creek	7900	5/27	1.08	- -	9.83	- -	--
E.Fk.Black's Fk. G.S.	9300	5/25	1.03	- -	11.99	- -	--
Hewinta G.S.	9500	5/25	1.06	- -	13.01	- -	--
Spirit Lake	10300	5/27	1.62	- -	15.03	- -	--
Steel Creek Park	9900	5/25	1.17	- -	14.15	- -	--

GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Grizzly Ridge	8500	5/27	1.31	- -	15.76	- -	--
King's Cabin(upper)	8730	5/27	1.37	1.85	14.10	16.80	84

DUCHESNE RIVER

Currant Creek	7800	5/26	1.86	1.50	14.23	16.60	86
Daniels-Strawberry Smt.*	8000	6/3	2.50	2.20	18.58	23.40	79
East Portal Ridge*	7800	6/1	3.00	- -	18.85	- -	--
Indian Canyon	9100	5/25	1.60	2.15	15.59	19.50	80
Julius Park	9800	5/25	2.21	2.10	15.24	19.00	80
Lakefork Mountain	10500	Delayed Report		1.85	- -	17.65	--
Moon Lake	8150	5/31	2.20	1.58a	10.05	10.92a	92
Mosby Mountain	9500	5/25	2.47	- -	16.02	- -	--
Paradise Park	10100	5/25	0.88	2.30	16.84	20.40	82
Rock Creek	7900	5/26	3.10	1.45	13.75	14.95	92
Soapstone R.S.*	7800	5/26	2.17	2.30	16.39	21.00	78

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DUCHESNE RIVER - Continued

Strawberry Res. - E. Portal*	7606	6/1	2.65	1.48a	12.52	13.44a	93
Trial Lake	9800	5/26	2.97	2.70	24.68	29.90	83
White River #1*	8600	5/27	1.15	2.25	11.75	20.50	57

PRICE RIVER

Clear Creek Ridge #2*	8000	5/27	1.37	2.10	14.57	21.10	69
Gooseberry Reservoir	8700	5/26	2.28	2.35	18.59	24.00	77
Indian Canyon	9100	5/25	1.60	2.15	15.59	19.50	80
Mammoth R.S. #2	8600	5/26	2.03	2.35	18.61	23.80	78
Mud Creek	8300	5/27	1.35	1.75	13.40	19.85	68
White River #1	8600	5/27	1.15	2.25	11.75	20.50	57

SAN RAFAEL RIVER

Buck Flat	9400	5/27	1.50	2.25	14.70	22.50	65
G.B.R.C. Meadows*(1)	10000	5/31	2.21	2.77a	20.70	27.59a	75
Gooseberry Reservoir*	8700	5/26	2.28	2.35	18.59	24.00	77
Red Pine Ridge	9400	5/27	1.45	2.70	18.35	26.90	68
Stuart R.S.	7950	5/27	1.05	1.70	10.40	17.00	61
Orange Olsen		5/27	0.55	- -	6.55	- -	--

MUDDY RIVER

Mt. Baldy R.S.*	9500	5/27	2.08	- -	16.80	- -	--
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FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	5/27	0.81	1.70	10.59	15.40	69
Farnsworth Lake*	9900	5/27	1.42	2.45	16.43	24.25	68
Fish Lake	8700	5/27	0.84	1.47	8.94	10.43	86
Widtsoe-Escalante #3	9500	5/27	1.22	1.80	14.37	16.40	88

VIRGIN RIVER

Duck Creek R.S.	8560	5/31	1.15	2.60	23.23	25.00	93
Webster Flat	9200	6/1	0.73	3.00	25.33	27.00	94

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	5/27	1.00	2.60	20.95	26.50	79
Camp Jackson	8600	5/26	0.90	2.05	18.60	20.95	89
LaSal Mountain(upper)	9600	5/26	1.75	2.50	20.35	25.20	81

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						

AUGUST 1, 1965

Daniels-Strawberry Smt.	8000	48	14.0	7/29	6.9	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	8/3	19.4	16.4	16.9

SEPTEMBER 1, 1965

Little Grassy	6100	72	24.5	8/24	14.3	7.6	- -
Long Flat	8000	72	14.9	8/24	9.0	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/3	18.4	- -	- -

OCTOBER 1, 1965

Beaver Crk.-Skunk Crk.	7150	48	18.4	9/15	9.0	- -	8.9
Ben Lomond(lower)	5850	72	26.5	9/15	21.5	- -	21.5
Chalk Creek #2	8000	48	18.0	10/4	16.0	10.0	- -
Daniels-Strawberry Smt.	8000	48	14.0	10/1	6.7	6.1	- -
Dry Bread Pond	8230	48	13.5	9/15	10.7	- -	11.4
Garden City Summit	7600	72	18.3	9/14	7.2	- -	12.4
Little Grassy	6100	72	24.5	9/24	13.3	7.6	10.5
Long Flat	8000	72	14.9	9/29	6.9	5.4	6.4
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/29	15.4	11.2	15.7
Mud Creek	8300	72	14.4	9/30	11.7	10.7	10.9
White River #1	8600	48	16.0	9/30	11.8	6.9	10.1

NOVEMBER 1, 1965

Chalk Creek #2	8000	48	18.0	10/26	16.0	9.5	13.5
Daniels-Strawberry Smt.	8000	48	14.0	10/25	6.3	6.9	7.2
Garden City Smt.	7600	72	18.3	11/8	8.0	- -	10.3
Little Grassy	6100	72	24.5	10/27	12.0	7.6	8.3
Long Flat	8000	72	14.9	10/27	7.8	6.1	6.0
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	10/29	16.5	11.2	15.4
Mud Creek	8300	72	14.4	10/29	11.5	10.7	10.9
White River #1	8600	48	16.0	10/29	12.0	7.3	10.0

DECEMBER 1, 1965

Daniels-Strawberry Smt.	8000	48	14.0	12/1	7.0	6.7	7.1
Garden City Smt.	7600	72	18.3	12/2	8.3	- -	- -
Long Flat	8000	72	14.9	11/30	8.6	5.2	7.2
Little Grassy	6100	72	24.5	11/30	17.2	7.6	8.5
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	11/30	16.6	10.6	15.1
Mud Creek	8300	72	14.4	12/2	11.1	10.7	10.9
White River #1	8600	48	16.0	12/2	11.8	7.3	11.0

JANUARY 1, 1966

Daniels-Strawberry Smt.	8000	48	14.0	1/3	8.3	7.8	4.9
Garden City Summit	7600	72	18.3	12/30	8.1	- -	- -
Mud Creek	8300	72	14.4	12/30	11.2	10.7	10.5

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						

FEBRUARY 1, 1966

Chalk Creek #2	8000	48	18.0	1/26	15.7	- -	13.7
Daniels-Strawberry Smt.	8000	48	14.0	1/27	9.3	9.1	- -
Garden City Smt.	7600	72	18.3	1/27	8.1	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	1/26	16.6	11.6	13.8
Mud Creek	8300	72	14.4	1/27	11.1	10.7	10.3

MARCH 1, 1966

Chalk Creek #2	8000	48	18.0	2/23	15.7	13.7	13.9
Daniels-Strawberry Smt.	8000	48	14.0	2/25	10.3	12.0	5.9
Garden City Summit	7600	72	18.3	3/4	7.5	- -	9.5
Little Grassy	6100	72	24.5	3/1	19.8	- -	12.3
Long Flat	8000	72	14.9	3/1	9.2	7.0	3.9
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	2/24	16.6	11.6	13.6
Mud Creek	8300	72	14.4	3/1	11.1	10.7	10.3
White River #1	8600	48	16.0	2/28	12.1	7.3	8.0

APRIL 1, 1966

Beaver Crk-Skunk Crk.	7150	48	18.4	3/29	15.1	14.5	9.7
Ben Lomond(lower)	5850	72	26.5	3/28	23.5	- -	23.2
Chalk Creek #2	8000	48	18.0	3/28	15.7	13.8	14.0
Corral	8200	48	13.4	4/4	11.7	5.9	5.6
Daniels-Strawberry Smt.	8000	48	14.0	3/30	13.3	12.1	6.3
Dry Bread Pond	8230	48	13.5	3/29	11.1	13.2	9.9
Garden City Smt.	7600	72	18.3	4/1	7.6	12.3	9.9
Grassy Trail Creek-Left Fk.	7970	48	14.5	4/4	14.5	8.9	10.5
Long Flat	8000	72	14.9	3/31	10.6	8.9	5.6
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	3/28	16.6	11.6	13.8
Mud Creek	8300	72	14.4	3/31	11.5	10.7	10.3
White River #1	8600	48	16.0	4/1	12.1	7.3	8.5

MAY 1, 1966

Ben Lomond(lower)	5850	72	26.5	4/28	23.0	23.1	- -
Chalk Creek #2	8000	48	18.0	4/28	17.5	- -	15.6
Corral	8200	48	13.4	4/29	11.7	9.4	- -
Daniels-Strawberry Smt.	8000	48	14.0	4/27	13.4	12.8	8.7
Dry Bread Pond	8230	48	13.5	4/27	13.3	- -	- -
Garden City Smt.	7600	72	18.3	4/22	11.5	15.1	16.5
Grassy Trail Creek-Left Fk.	7970	48	14.5	4/29	14.5	14.0	- -
Long Flat	8000	72	14.9	4/27	11.9	12.8	9.2
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	4/27	19.7	19.5	18.5
Mud Creek	8300	72	14.4	4/28	12.1	11.1	10.9
White River #1	8600	48	16.0	4/28	15.2	9.3	9.7
Little Grassy	6100	72	24.5	4/27	19.8	- -	12.3

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO

JUNE 1, 1966

Beaver Crk-Skunk Crk.	7150	48	18.4	5/31	16.2	16.8	15.9
Ben Lomond(lower)	5850	72	26.5	5/27	23.2	23.3	23.4
Chalk Creek #2	8000	48	18.0	5/27	17.3	17.5	18.0
Currant Creek	7800	72	22.0	5/26	18.1	- -	16.8
Daniels-Strawberry Smt.	8000	48	14.0	6/3	10.1	- -	- -
Dry Bread Pond	8230	48	13.5	5/31	12.8	- -	12.5
Garden City Smt.	7600	72	18.3	5/20	14.3	16.4	15.1
Little Grassy	6100	72	24.5	6/1	18.8	- -	7.8
Long Flat	8000	72	14.9	6/3	11.4	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	5/26	20.1	19.7	19.4
Mud Creek	8300	72	14.4	5/27	11.1	11.5	12.0
White River #1	8600	48	16.0	5/27	14.1	14.2	15.0

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
Weather Bureau
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

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